

Project Lead The Way

Illustrative Cost Summary Information

Important Notes For Use With This Cost Summary:

- This cost summary is meant to provide an illustrative view of the costs needed to implement and run PLTW courses, and it should not be a substitute for using the published Purchasing Manual available on our website.
- The costs summarized in this schedule are based on a 25 seat class size.
- In an effort to better illustrate the ongoing costs of running PLTW courses, we have shown the first year "start-up" costs as well as the average cost for years 2-4.
- Many schools may have a great deal of the required equipment already, which would reduce the total cost of implementation. A thorough inventory based on the Purchasing Manual should be conducted to determine actual needs.

Gateway To Technology

	Year-1	Avg. Year-2-4
Lab^(a)		
Consumables	\$ 521	\$ 305
Equipment & Supplies	7,297	112
Furniture	215	-
Hardware	3,217	1,291
Software	1,650	750
Total Lab	\$ 12,899	\$ 2,458
Basic Courses (DM/AR/EE)		
Teacher Training (includes course update)	\$ 3,400	\$ 1,133
Consumables	500	473
Equipment & Supplies	1,717	7
Total Basic Courses	\$ 5,618	\$ 1,613
Optional Courses (FS/ST/ME)		
Teacher Training (includes course update)	\$ 3,400	\$ 1,133
Consumables	608	583
Equipment & Supplies	4,295	4
Total Basic Courses	\$ 8,303	\$ 1,720
TOTAL GATEWAY TO TECHNOLOGY^(b)	\$ 26,820	\$ 5,791

Pathway to Engineering

	Year-1	Avg. Year-2-4
Lab^(a)		
Consumables	\$ 272	\$ 224
Equipment & Supplies	2,860	112
Furniture	215	-
Hardware	3,247	1,324
Software	3,220	3,195
Total Lab	\$ 9,814	\$ 4,856
Foundation Courses w/ Capstone (IED/POE/DE/EDD)		
Teacher Training (includes course update)	\$ 3,400	\$ 4,533
Consumables	204	1,807
Equipment & Supplies	425	7,319
Software	-	467
Total Foundation Courses	\$ 4,029	\$ 14,126
TOTAL PATHWAY TO ENGINEERING (Lab & Foundation)^(b)	\$ 13,843	\$ 18,982
Pathway To Engineering - Specialization Courses^(c)		
Aerospace Engineering	\$ 15,430	\$ 1,501
Biotechnical Engineering	7,394	1,508
Civil Engineering & Architecture	5,927	1,294
Computer Integrated Manufacturing	41,070	3,695

Biomedical Sciences

	Year-1	Avg. Year-2-4
Lab^(a)		
Consumables	\$ 703	\$ 426
Equipment & Supplies	18,096	624
Hardware	1,430	477
Software	2,545	920
Participation Fee	2,000	2,000
Total Lab	\$ 24,774	\$ 4,447
BIO Courses (PBS/HBS/MI/BI)		
Teacher Training (includes course update)	\$ 3,400	\$ 4,533
Consumables	902	4,052
Equipment & Supplies	7,514	6,239
Total BIO Courses	\$ 11,816	\$ 14,824
TOTAL BIOMEDICAL SCIENCES^(b)	\$ 36,590	\$ 19,271

(a) Lab costs assume an aggregate of all items listed in the Purchasing Manual adjusted for 25 seats. Many schools may have a great deal of the required equipment already, which would reduce the total cost of items needed. A thorough inventory based on the Purchasing Manual should be conducted to determine actual needs.

(b) With the increasing modernization and addition of technology in schools across the U.S., PLTW is increasingly finding that many of the schools which contract with PLTW to implement one or more of its courses currently have computers available that meet the specifications required to run the software included in the PLTW curriculum. Therefore, all examples above assume schools have the required number of computers meeting the specifications required for all course software. In the unlikely event that this is not the case, as listed in the Purchasing Manual, the price per workstation is listed at \$720.00 for GTT and PTE and \$665.19 for BMS. Additionally, the average cost of a teacher laptop is \$881.60.

(c) All PTE Specialization courses are assumed to begin during year-4 of a full implementation, therefore, year-1 costs refer to the fourth year of full implementation and the average cost for years 2-4 would actually occur in year-5 through year-7 of a full implementation.

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Illustrative Cost Summary Information - Implementation Schedule

	Year-1	Year-2	Year-3	Year-4	Avg Cost Year 2-4
Gateway To Technology					
Lab^(a)	\$ 12,899	\$ 1,390	\$ 1,390	\$ 4,595	\$ 2,458
Basic Courses					
DM	4,089	227	227	3,627	1,360
AR	119	20	20	20	20
EE	1,410	221	221	255	233
Optional Courses					
FS	5,527	193	193	3,643	1,343
ST	926	69	69	69	69
ME	1,851	308	308	308	308
Total GTT Lab, Basic and Optional Courses^(b)	\$ 26,820	\$ 2,429	\$ 2,429	\$ 12,517	\$ 5,791

Pathway To Engineering					
Lab^(a)	\$ 9,814	\$ 3,768	\$ 3,768	\$ 7,031	\$ 4,856
Foundation Courses w/ Capstone					
IED	4,029	107	107	3,604	1,273
POE	-	17,366	140	140	5,882
DE	-	-	12,928	1,087	4,672
EDD	-	-	-	6,900	2,300
Total PTE Foundation with Lab^(b)	\$ 13,843	\$ 21,241	\$ 16,944	\$ 18,762	\$ 18,982

Pathway To Engineering Specialization Courses^(c)					
Aerospace Engineering	-	-	-	\$ 15,430	\$ 1,501
Biotechnical Engineering	-	-	-	7,394	1,508
Civil Engineering & Architecture	-	-	-	5,927	1,294
Computer Integrated Manufacturing	-	-	-	41,070	3,695

Biomedical Sciences					
Lab^(a)	\$ 24,774	\$ 3,208	\$ 5,279	\$ 4,853	\$ 4,446
Biomedical Sciences Courses					
PBS	11,816	777	859	4,262	1,966
HBS	-	16,780	1,137	1,251	6,390
MI	-	-	12,137	1,870	4,669
BI	-	-	-	5,400	1,800
Total Biomedical Sciences Courses with Lab^(b)	\$ 36,590	\$ 20,765	\$ 19,412	\$ 17,636	\$ 19,271

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(b) With the increasing modernization and addition of technology in schools across the U.S., PLTW is increasingly finding that many of the schools which contract with PLTW to implement one or more of its courses currently have computers available that meet the specifications required to run the software included in the PLTW curriculum. Therefore, all examples above assume schools have the required number of computers meeting the specifications required for all course software. In the unlikely event that this is not the case, as listed in the Purchasing Manual, the price per workstation is listed at \$720.00 for GTT and PTE and \$665.19 for BMS. Additionally, the average cost of a teacher laptop is \$881.60.

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